

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L3: Entry 31 of 96

File: JPAB

Jan 14, 1993

PUB-NO: JP405004929A

DOCUMENT-IDENTIFIER: JP 05004929 A

TITLE: METHOD FOR FRACTIONATING AND PURIFYING ANTI-VIRAL ACTIVE SUBSTANCE

PUBN-DATE: January 14, 1993

## INVENTOR-INFORMATION:

NAME

COUNTRY

KOGA, JUNICHI

NISHIMURO, SATOSHI

KINO, HIROYUKI

YAMAMOTO, YOSHIKI

MATSUO, AKIO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

NIPPON CHEM RES KK

APPL-NO: JP03039358

APPL-DATE: February 8, 1991

INT-CL (IPC): A61K 35/84

## ABSTRACT:

PURPOSE: To efficiently fractionate and purify an anti-viral activity substance from the aqueous extract of a cultured product obtained by culturing a shiitake (mushroom) fungus in a medium containing bagasse and rice bran.

CONSTITUTION: The aqueous extract of a cultured product obtained by culturing a shiitake fungus in a medium containing bagasse and rice bran is subjected to an ultrafiltration using a tangential type device or a hollow fiber member- using device, and the filtrate is collected. The filtrate is preferably further subjected to a hydrophobic chromatography using as a carrier a cellulosic resin having octyl or phenyl groups as functional groups to extremely efficiently fractionate or purify an antiviral substance from the aqueous solution. The preliminary filtration of the aqueous extract using a 0.1-0.45 $\mu$ m thick ultrafiltration membrane permits to greatly improve the workability of the ultrafiltration. The active ingredient adsorbed on the hydrophobic resin can be eluted with water, while unnecessitating an operation for removing a solvent except water from the elution solution.

COPYRIGHT: (C)1993, JPO&amp;Japio

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)